FIG. 1

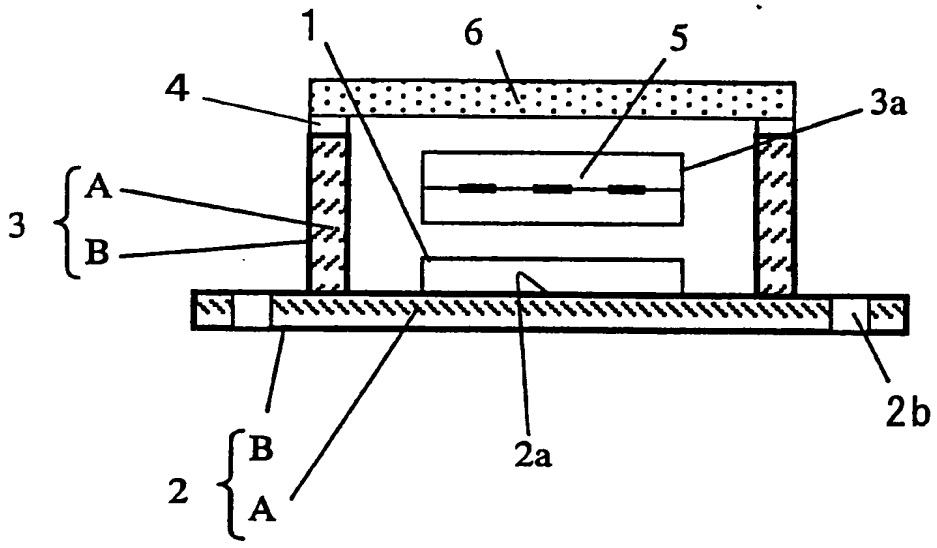

FIG. 2

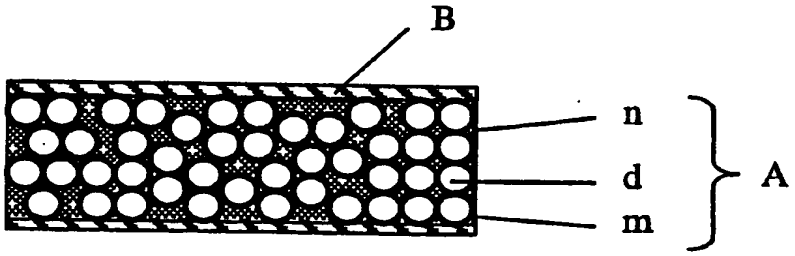

FIG. 3

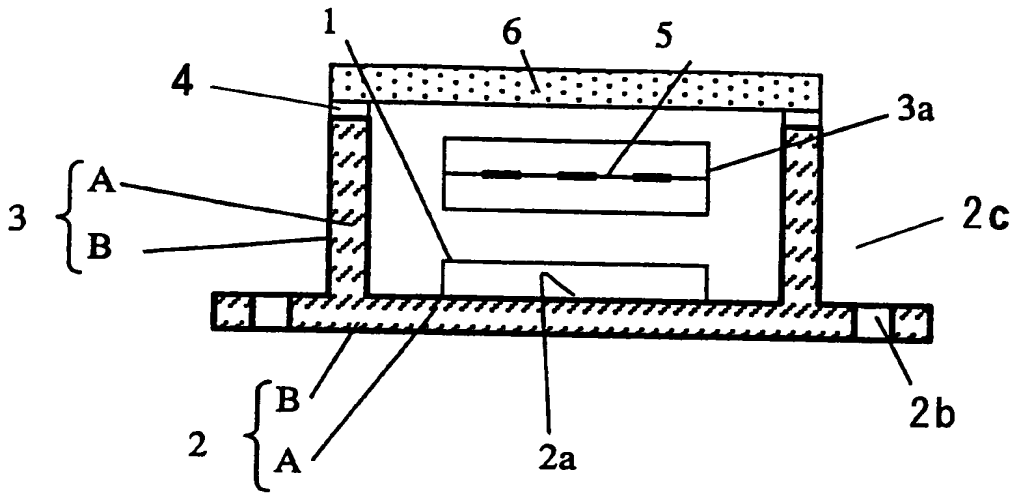

FIG. 4

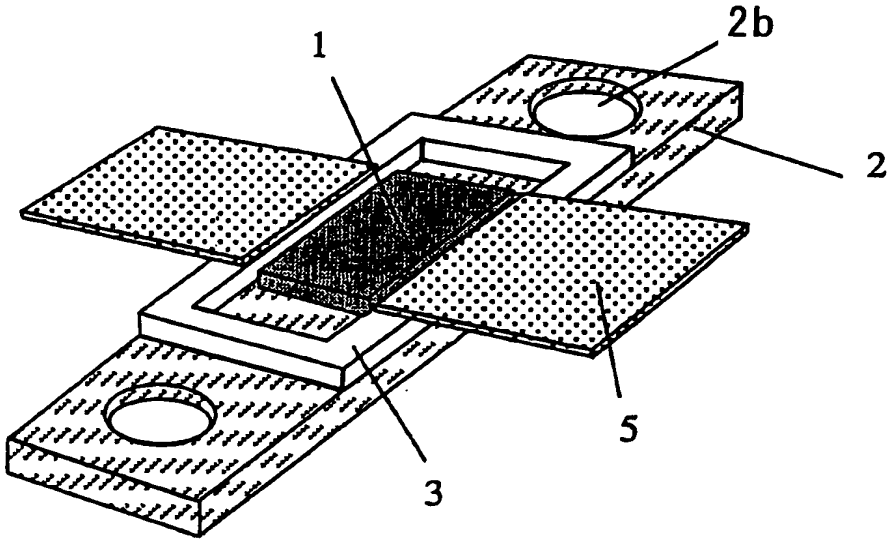

FIG. 5

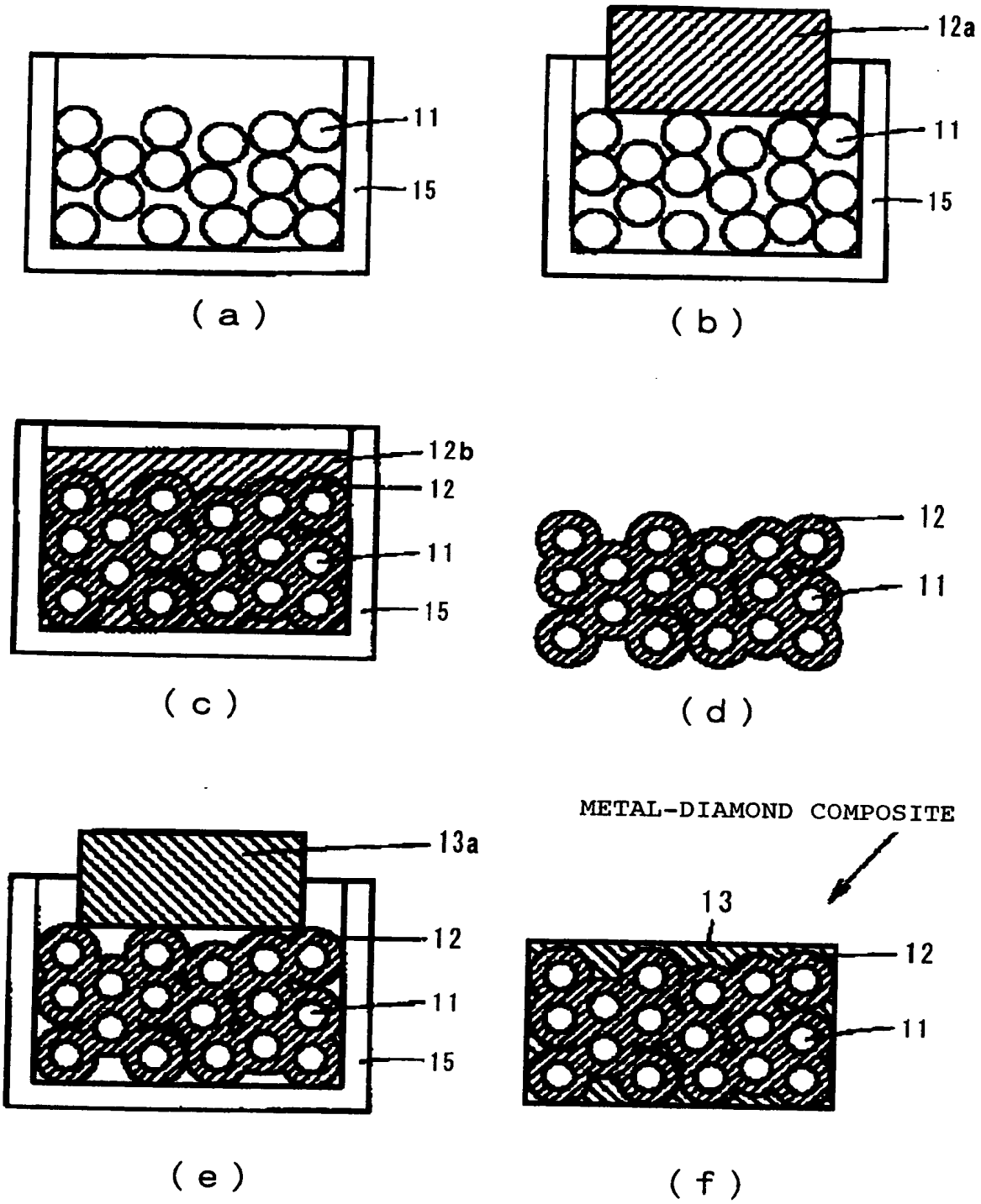
11
15
(a)
12a
11
15
(b)
12b
12
11
15
(c)
12
11
(d)
13a
12
11
15
(e)
METAL-DIAMOND COMPOSITE
13
12
11
(f)

FIG. 6

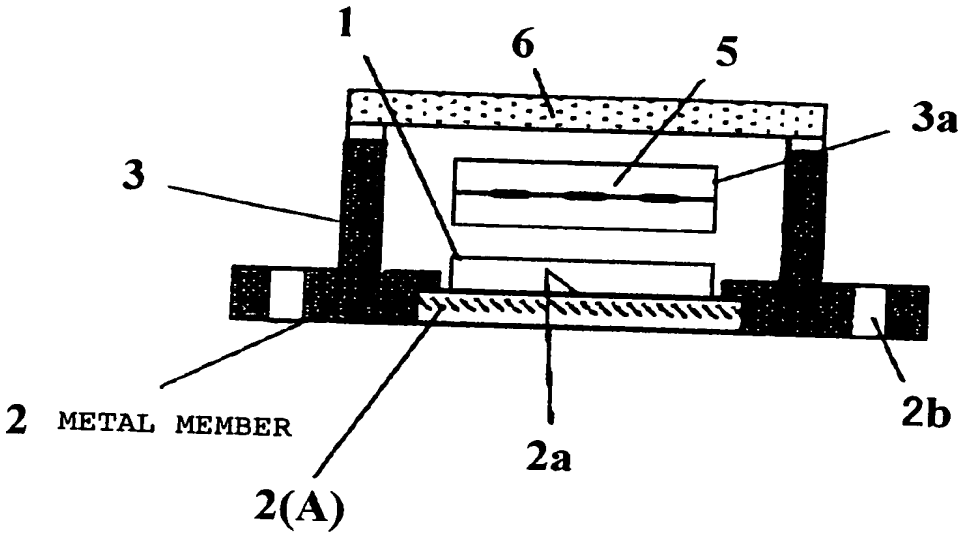
1
6
5
3a
3
2 METAL MEMBER
2(A)
2a
2b

FIG. 7a

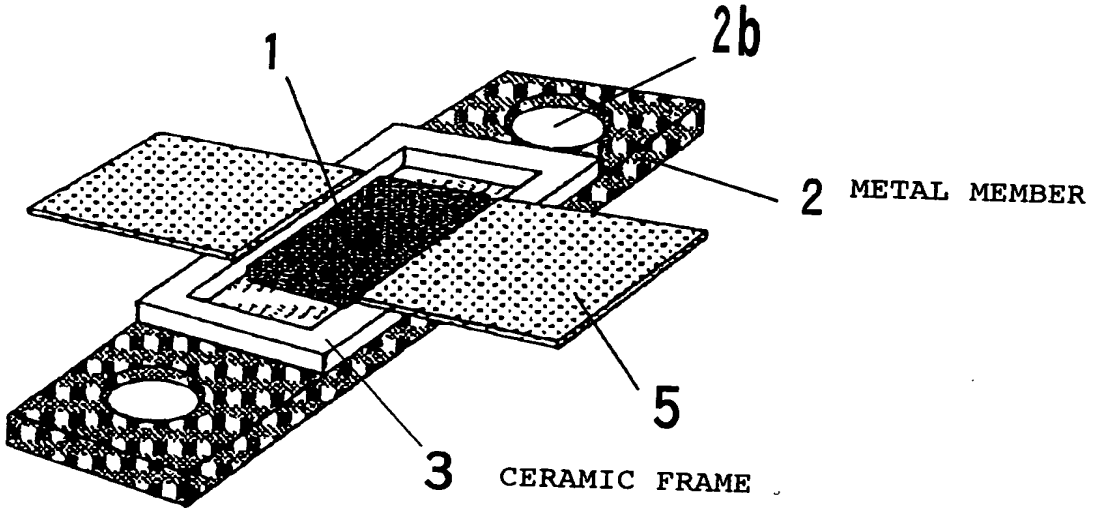
1
2b
2 METAL MEMBER
5
3 CERAMIC FRAME

FIG. 7b

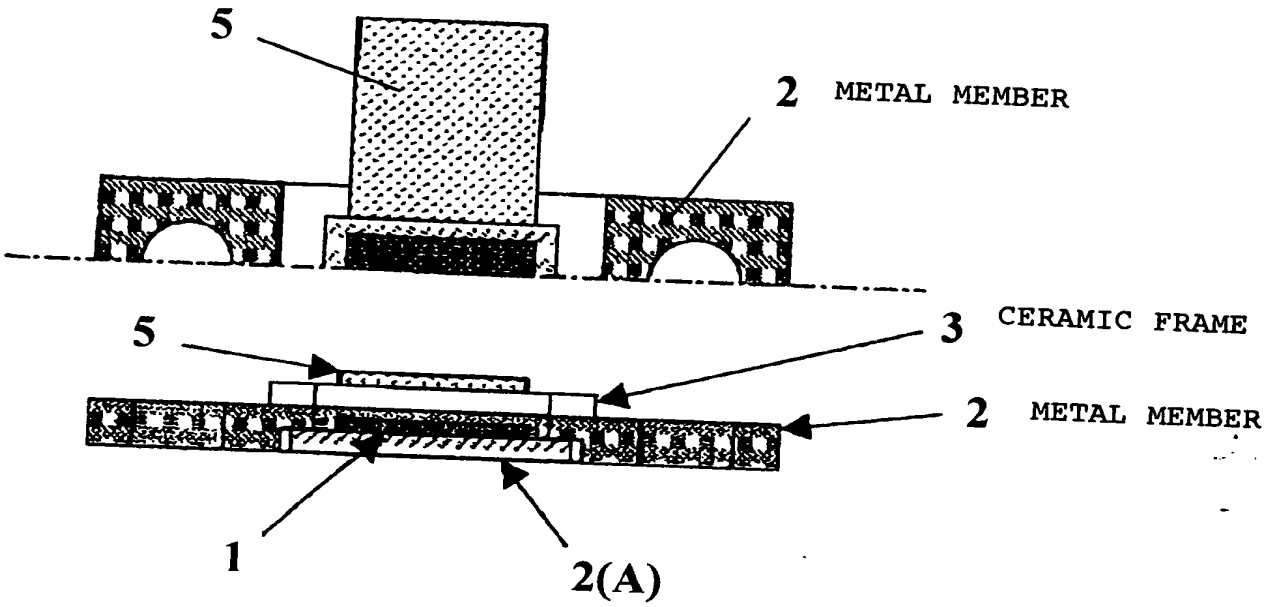
5
2 METAL MEMBER
5
3 CERAMIC FRAME
2 METAL MEMBER
1
2(A)

FIG. 8

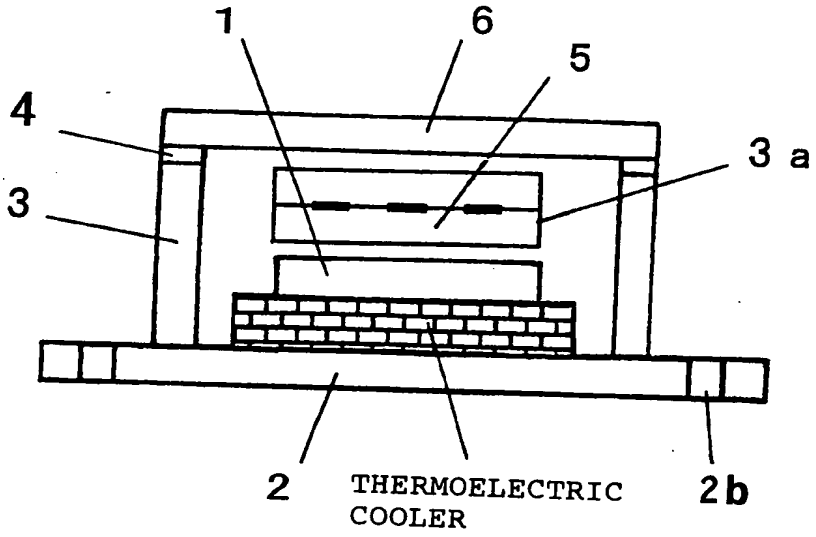
1
6
5
4
3 a
3
2
THERMOELECTRIC COOLER
2b

FIG. 9a

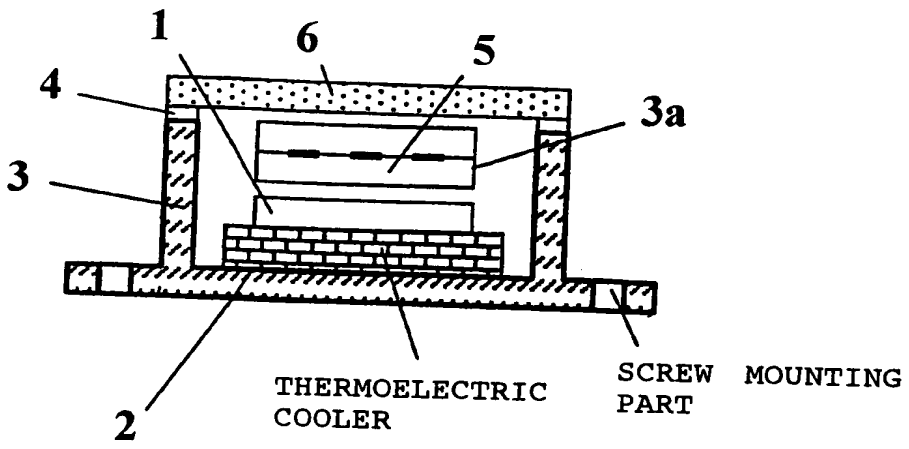

FIG. 9b

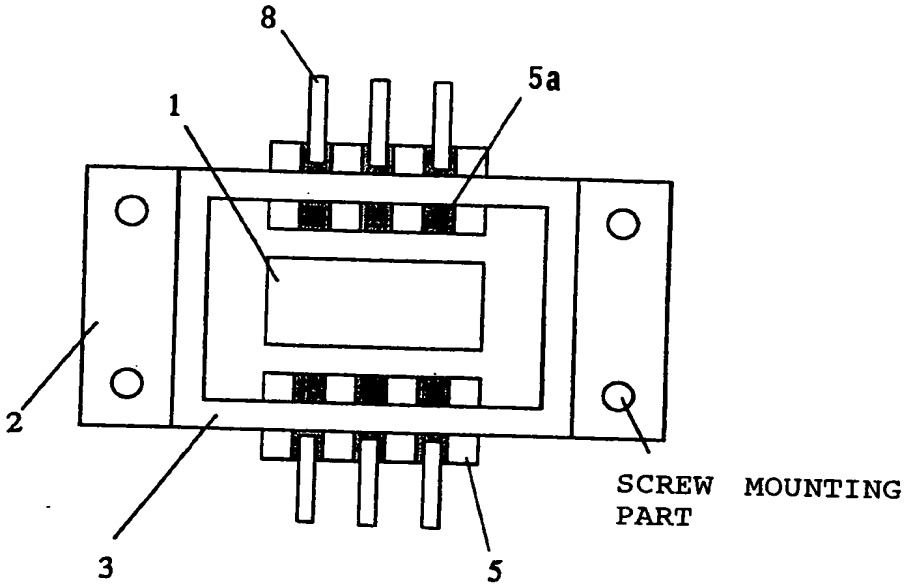

FIG. 9c

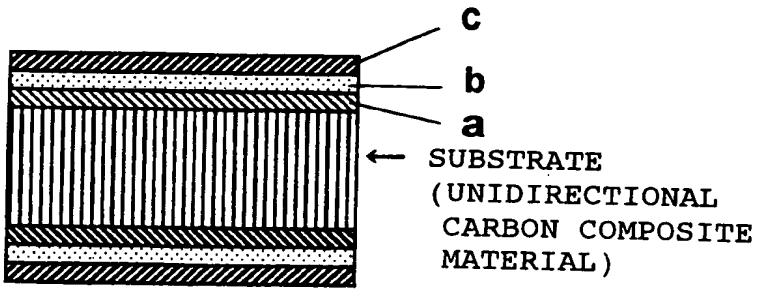
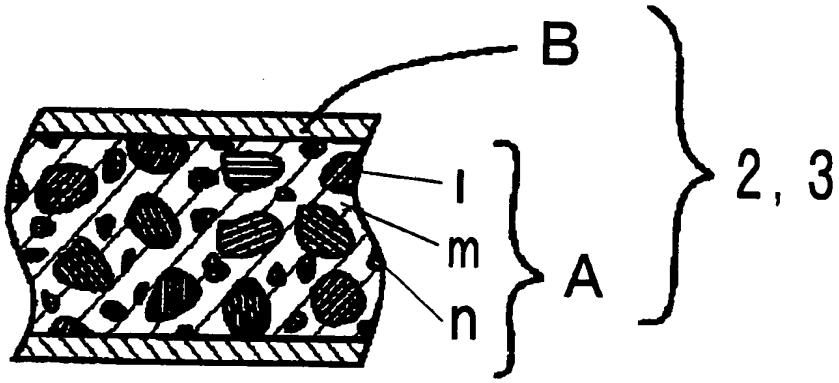
FIG. 10